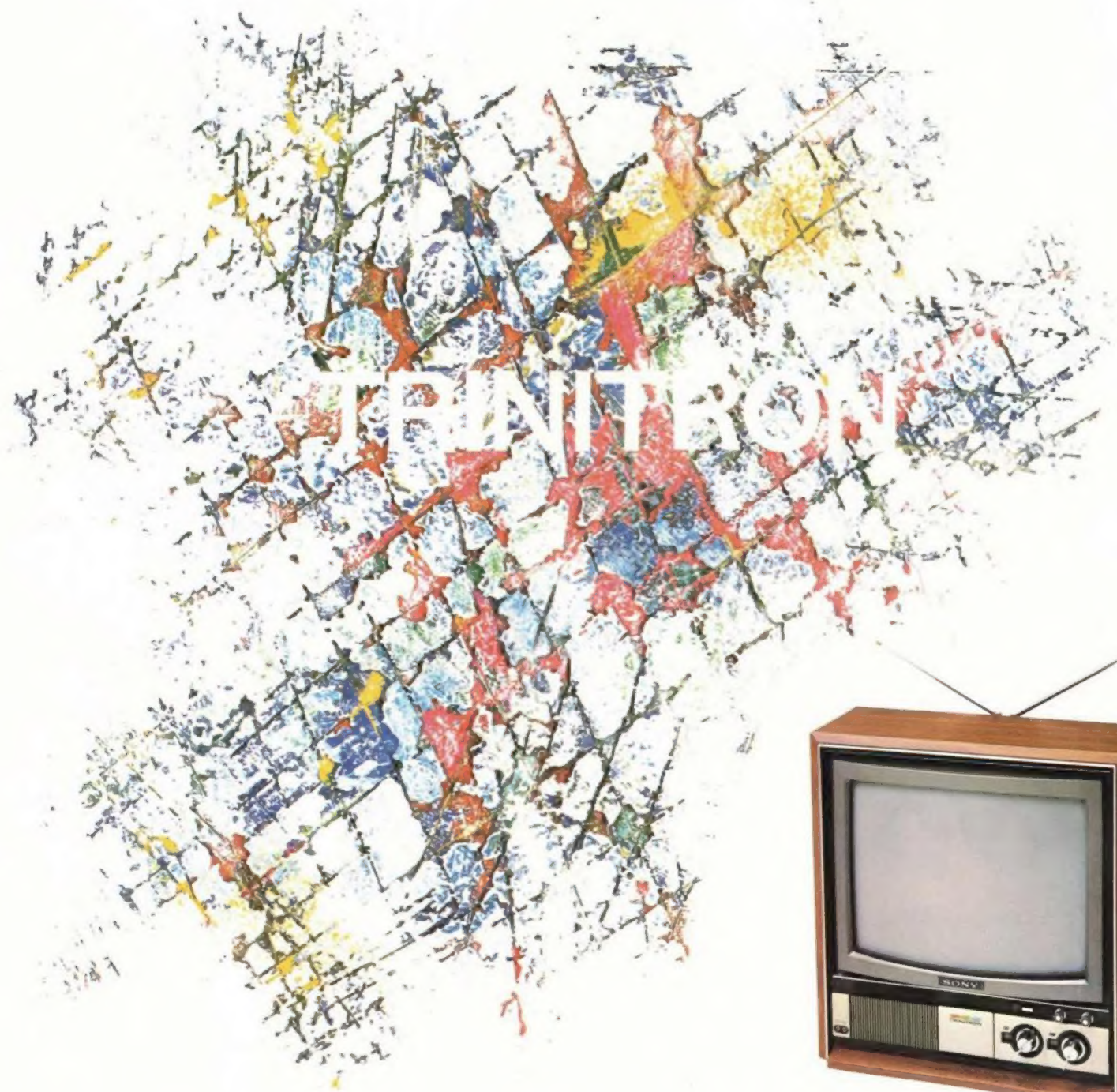


TRINITRON® COLOR TV  
SOLID STATE

**KV-1722**

Operating instructions







## WARNING

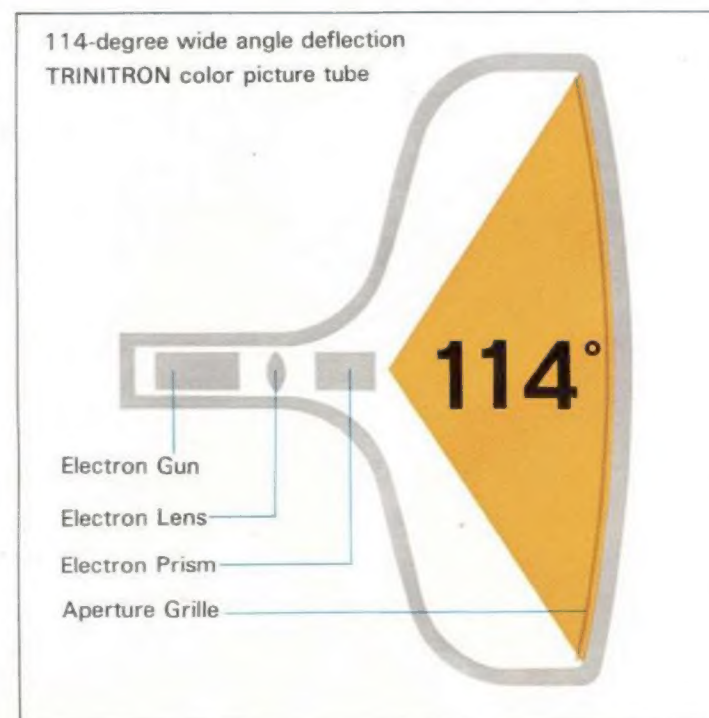
- Dangerously high voltages are present inside the set. **DO NOT OPEN THE CABINET.** Refer servicing to qualified personnel only.
- To prevent fire or shock hazard, do not expose the set to rain or moisture.

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Your Sony Trinitron color TV has a newly developed wide angle 114-degree deflection picture tube which provides a bright and clear picture, with high contrast and resolution. These features are the result of the unique design concepts of the Trinitron system----- the single large electrostatic lens, the vertical phosphor stripe screen, the Aperture Grille, the power-saving narrow neck, and the precisely-controlled projection of the three color beams. In addition, the wide-angle tube substantially reduces the cabinet depth, and provides increased portability.

To get the greatest enjoyment from your new Sony KV-1722, read this manual carefully before operating the set. Retain this manual for future reference.



## ANTENNA CONNECTION

### Indoor Antennas

VHF : Vary the direction, angle and length of the Telescopic dipole antenna to improve reception.

UHF : Loosen the nuts on the UHF antenna terminals (rear) and insert the root of the Loop antenna supplied into the terminals. Tighten the nuts. Swing the antenna back and forth for optimum reception.

### Outdoor Antennas

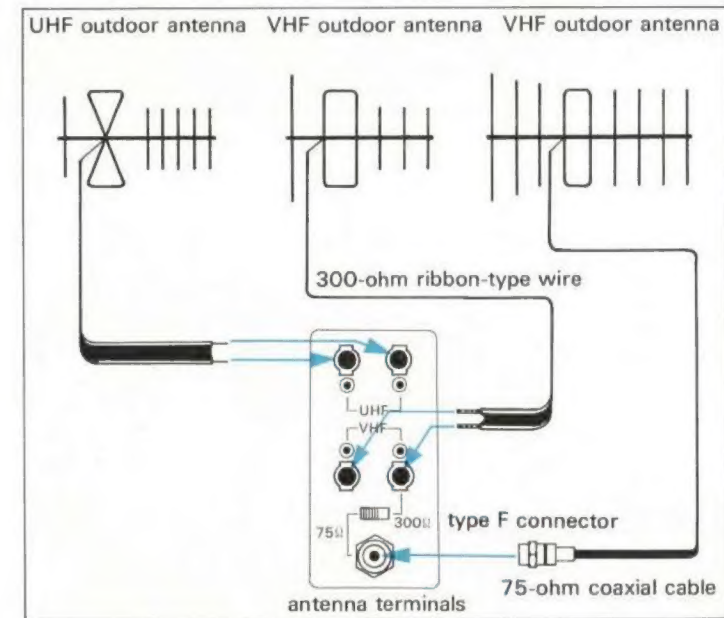
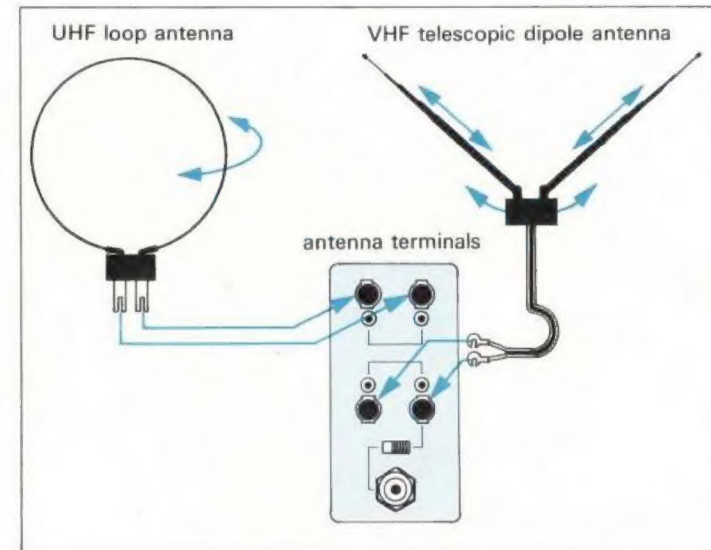
#### VHF antenna connection

When using 300-ohm ribbon-type lead-in wire, **set the Terminal switch to 300Ω**. To connect the wire to the antenna terminals [VHF], strip the plastic insulation from the end of the lead-in wire, loosen the nuts on the terminals, wrap the bare copper leads around the screw parts of the terminals, then tighten the nuts.

For using 75-ohm coaxial cable, **set the Terminal switch to 75Ω**. The connection can be made with antenna type F connector (optional).

#### UHF antenna connections

The Terminal switch has no effect upon this connection. The connections to the antenna terminals [UHF] can be made in the same manner as explained in the VHF antenna connection. For using 75-ohm coaxial cable, the antenna connector EAC-13W (optional) makes the connection.



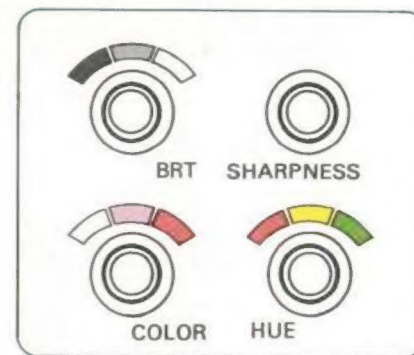


## LOCATION OF CONTROLS



← VER control (rear)

### IN RECESS





- PULL ON/VOL control
- VHF channel selector
- VHF fine tuning knob
- PICTURE control
- UHF channel selector
- UHF fine tuning knob
- AUTO/AFT button
- EARPHONE jacks

## OPERATION

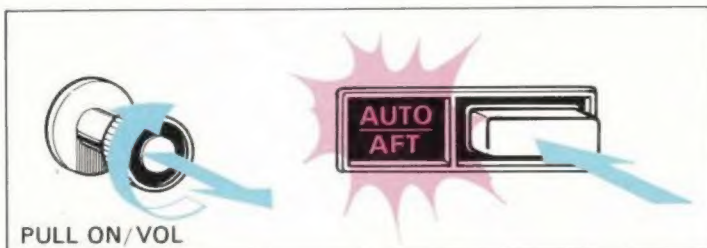
Connect the Power cord to a 120V AC wall outlet.

1. **To turn the TV on**, pull the PULL ON/VOL control.

This TV has "Quick-start" operation; picture and sound appear in seconds provided the ac power cord is always kept plugged in.

2. **To increase sound volume**, turn the PULL ON/VOL control clockwise . To decrease, turn this control counterclockwise .

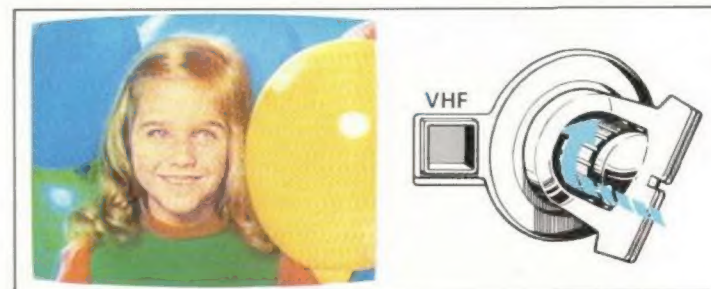
3. **To operate in the automatic mode**, push in the AUTO/AFT button, the letters **AUTO** lights to indicate the automatic mode.



- In automatic mode the AFT (Automatic Fine Tuning) locks in the correct signal and secures sharper pictures on all channels.
- In automatic mode the color circuits also lock to pre-set values of hue and color to provide correct reproduction.

4. **To select the desired VHF channels**, turn the VHF channel selector until the desired channel number appears in its indicating window. In most cases there will be no need for fine tuning adjustments on the VHF channels. However, if the picture is not clear, adjust the fine tuning as follows:

Push the VHF fine tuning knob in and turn it clockwise until a herringbone pattern appears in the colored parts of the picture. Then, turn the knob counterclockwise and release it at the point where the herringbone pattern just disappears and the picture is clear. This is the correct tuning point.





In automatic mode, when the VHF fine tuning knob is pushed in, the AFT is disabled in order to fine-tune the channel manually, when you release the knob, the AFT will be reactivated to maintain correct tuning.

**5. To select the desired UHF channels,** first turn the VHF channel selector until the letter U appears in its indicating window. Then turn the UHF channel selector until the desired channel number appears in its indicating window.

● **Note** that the UHF channel selector can not be turned directly from 83 to 14 or from 14 to 83.

If the picture is not clear, turn (no push required) the UHF fine tuning knob clockwise or counterclockwise to get the clearest picture possible.

In case of extreme interference, or of an extremely weak station, adjust the fine tuning as follows :

1. Release the AUTO/AFT button to disable the Automatic Fine Tuning.
2. Turn the UHF fine tuning knob clockwise ↻ slowly until a herringbone pattern appears in the colored parts of the picture. Then turn the knob slowly counterclockwise ↶ until the herringbone pattern just disappears and the picture is clear.
3. Push the AUTO/AFT button to reactivate the Automatic Fine Tuning.

### To adjust brightness and contrast

Correct brightness and contrast settings are very important for good color reproduction. Once brightness has been set correctly, contrast can be controlled with the PICTURE control without altering color reproduction.

1. Turn the PICTURE control fully counterclockwise ↶.
2. Adjust the BRT control (in the recess) for the desired brightness level.
3. Adjust the PICTURE control from the lowest setting to the desired level by turning it clockwise ↷.

The PICTURE control will adjust the contrast, color intensity and brightness simultaneously in the proper ratio.

### To adjust sharpness

Turn the SHARPNESS control fully clockwise for maximum sharpness. Turn the control counterclockwise for a softer pictures. If reception conditions cause a snowy pictures, better results will be obtained with this control turned to soft.

### Vertical control

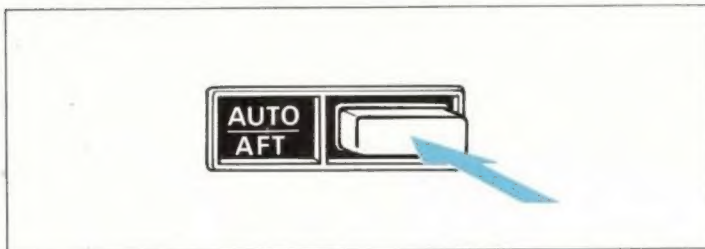
If the picture rolls vertically, adjust the VER control. (rear).

### Earphone jacks

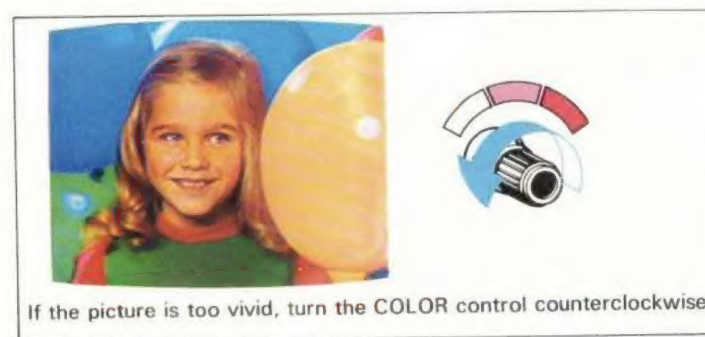
For private listening, insert the earphone plug to the [•] receptacle. This disconnects the loudspeaker. Use of the [⋮] receptacle permits the earphone and the loudspeaker to be used simultaneously. You can record TV sound by connecting the [⋮] receptacle to the auxiliary input jack on your tape recorder and adjusting the TV sound volume for normal listening.

### To adjust color and hue manually

If you wish to control color reproduction manually, release the AUTO/AFT button to disable the automatic color mode.



Adjust the COLOR control to the desired color intensity.



Adjust the HUE control for the most natural skin tones.










- Color and hue adjustments have no effect upon black and white pictures.



## OPERATION CHECK

Before returning the TV for service, first check its operation by going through the following chart. If the trouble persists, remove the power cord from the wall outlet and consult your nearest Sony service station.

		no sound and no picture (screen not lit)	➤	<ul style="list-style-type: none"> <li>Is the power cord plugged in?</li> </ul>
		picture OK but no sound	➤	<ul style="list-style-type: none"> <li>Turn the PULL ON/VOL control clockwise.</li> <li>Check that the earphone is disconnected from the earphone jack [ ■ ].</li> </ul>
		no color	➤	<ul style="list-style-type: none"> <li>Check that the AUTO/AFT button is depressed.</li> <li>Check that the COLOR control is not turned fully counterclockwise.</li> <li>Check the fine tuning.</li> </ul>
		no picture, no sound but snow and noise only	➤	<ul style="list-style-type: none"> <li>Is the antenna properly connected?</li> </ul>
		dotted lines or stripes	➤	<ul style="list-style-type: none"> <li>Generally caused by interference from autos, neon signs, hair dryers, electric razors, etc.</li> </ul>
		double images or "ghost"	➤	<ul style="list-style-type: none"> <li>Reposition of the indoor antenna.</li> <li>Reflections from nearby mountains or buildings often cause this problem. In such case, an external antenna may improve the picture.</li> </ul>

## NOTES

- Save the original shipping carton and packing material; they will come in handy if you ever have to transport or ship your set. For maximum protection, pack your set as it was originally packed at the factory.
- Clean the cabinet with the soft cloth. Don't use strong solvents such as thinner or benzine which may damage the cabinet.
- Avoid exposing the set to excessively high temperature or dust.
- The filaments of the picture tube remain on, at reduced power when the set is turned off. This is essential for the picture quick-start feature, and is the cause of the faint glow that may be seen at the back of the set. The power consumption is negligible when the set is off.

## SPECIFICATIONS

Television system:	American TV standards
Channel coverage:	VHF channels 2—13 UHF channels 14—83 (70-position detent tuner)
Picture tube:	TRINITRON tube 17" picture measured diagonally 114-degree deflection
Antenna:	VHF telescopic dipole antenna UHF loop antenna 300-ohm external antenna terminals for VHF and UHF 75-ohm external antenna terminal for VHF
Semiconductors:	3 GCS (Gate Controlled Switch) 7 IC, 27 transistors, 33 diodes
Speaker:	6" × 4"
Audio output:	1.5 W
Power requirement:	AC 120V, 60 Hz
Power consumption:	148W (max.)
Dimensions:	19 <sup>3</sup> / <sub>8</sub> " × 20 <sup>9</sup> / <sub>16</sub> " × 14 <sup>7</sup> / <sub>8</sub> " (w/h/d)
Weight:	59 lbs 8 ozs
Accessories supplied:	UHF loop antenna AN-15 Earphone

Design and specifications are subject to change without notice.



